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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,115A

DATE: 05/07/2002

TIME: 14:51:46

Input Set : D:\52459-20021.txt

Output Set: N:\CRF3\05072002\I943115A.raw

ENTERED

4 <110> APPLICANT: SEQUENOM, Inc.
5 Risinger, Carl
6 Andersson, Maria
7 Lewander, Tommy
8 Olaisson, Erik
10 <120> TITLE OF INVENTION: DETECTION OF CYP3A4 AND CYP2C9
11 POLYMORPHISMS
13 <130> FILE REFERENCE: 52459-20021.00
15 <140> CURRENT APPLICATION NUMBER: US 09/943,115A
16 <141> CURRENT FILING DATE: 2001-08-30
18 <150> PRIOR APPLICATION NUMBER: UK 0021286.0
19 <151> PRIOR FILING DATE: 2000-08-30
21 <160> NUMBER OF SEQ ID NOS: 73
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1345
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
30 <400> SEQUENCE: 1
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32 ggcagctgt tctcttcctc cctttctctc ctgttccag acatgcagta tttccagaga 120
33 gaaggggcca ctctttggca aagaacctgt ctaacttgct atctatggca ggacctttga 180
34 aggttcaca ggaagcagca caaattgata ctattccacc aagccatcag ctccatctca 240
35 tccatgccct gtctctcctt taggggtccc ottgccaaca gaatcacaga ggaccagcct 300
36 gaaagtgcag agacagcagc tgagggcacag ccaagagctc tggctgtatt aatgaccta 360
37 gaagtccacca gaaagtccaga aggatgcata gcagaggccc agcaatctca gctaagtcaa 420
38 ctccaccaggc ctttcttagtt gccactgtg tgtacagcac sctggtaggg accagagcca 480
39 tgacaggaa taagactaga ctatgccctt gaggagctca cctctgttca gggaaacagg 540
40 cgtggaaaca caatgggtt aaagagggaaa gaggacaata ggattgcatt aagggatgg 600
41 aaagtccca ggggaggaaa tggttacatc tggctgttggaa gtttggtagg gaaagactct 660
42 aagagaaggc tctgtctgtc tgggtttggaa aggatgtgtt ggagtcttctt agggggcaca 720
43 ggcacactcc aggcataggt aaagatctgt aggtgtggct ttgtggatg aatttcaagt 780
44 attttggaat gaggacagcc atagagacaa gggcargaga gaggcgatt aatagatttt 840
45 atgccaatgg ctccacttgc gtttctgtata agaaccggc acccttggac tccccagtaa 900
46 cattgattga gttgtttatg atacctataa gaatatgaac tcaaaggagg tcagttagtg 960
47 gtgtgtgtgt gattcttgc caacttccaa ggtggagaag cctcttccaa ctgcaggcag 1020
48 agcacaggtg gccctgtac tggctgcagc tccagccctg ctccttctc tagcatataa 1080
49 acaatccaaac agcctcactg aatcactgt gtgcaggcga gaaaaagctcc atgcacatag 1140
50 cccagccaaag agcaacacag agctgaaagg aagactcaga ggagagagat aagtaaggaa 1200
51 agtagtgtatg gctctcatcc cagacttggc catggaaacc tggcttctcc tggctgtcag 1260
52 cctggtgctc ctctatctgt gagtaactgt tcaggctctt cttctctgtt tcttggactt 1320
53 ggggtcgtaa tcaggctctt ctttt 1345
55 <210> SEQ ID NO: 2

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56 <211> LENGTH: 19
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial Sequence
 60 <220> FEATURE:
 61 <223> OTHER INFORMATION: Oligonucleotide of CYP3A4 region
 63 <400> SEQUENCE: 2
 64 acaaggggcaa gagagaggc 19
 66 <210> SEQ ID NO: 3
 67 <211> LENGTH: 19
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial Sequence
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Oligonucleotide of CYP3A4 region
 74 <400> SEQUENCE: 3 19
 75 acaaggggcag gagagaggc
 77 <210> SEQ ID NO: 4
 78 <211> LENGTH: 10
 79 <212> TYPE: DNA
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
 83 <223> OTHER INFORMATION: Oligonucleotide of CYP3A4 region
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 86 agggcaagag
 88 <210> SEQ ID NO: 5
 89 <211> LENGTH: 10
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial Sequence
 93 <220> FEATURE:
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 100 <211> LENGTH: 2438
 101 <212> TYPE: DNA
 102 <213> ORGANISM: Homo sapiens
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 107 ctcctgagga atgaaatgat tattataaag acagcaaccg agcttatttt acccaaata 180
 108 aggttagata ttctgttag agtttagagt ttcatgagtc agggaccaag ttattgcttt 240
 109 tctttgcctt gtataaaaggc ttctccaagg ccttgactt acctaagtag taaatgttat 300
 110 aaaaccaaac tcttctgacc tctcaatcta gtcaactggg gctgtaatta ttaatgaaat 360
 111 taatgtttat tttgaaaata atttactaga ctgaatttacg aaatcctgaa tcattgtaca 420
 112 ctatcgtaa atattggtgg acccaactga actgaatgtt ttgcttgaaa tgaaaccttt 480
 113 gagatgcagg gcttatgggt tctagtccta gctctagcac tagcagacag catgttcttg 540
 114 gctaagatac tgaatcttca aggctcagct tcctcattcc ggaaatgggt caattttatt 600
 115 gtaagcagag gtaattgaga gattaaaaag ggacatgagg tgtaacaatt ctctgttaat 660
 116 tgtagaaatc cctgttaaaa atgaccagta aagctttgtg caactgtgtc ttgacataac 720
 117 ttatTTTC ttaataaaag aaatggaaat aacctcacta gggaaatttag aacaaatatg 780

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118	atgatatctt taaagaaaaat ggctttgcac aagtattgac attaatgatc tagtaaagtg	840
119	tatcttccta gttgtattt aatccctcaac tcagttatgtc agctcctgtt aaggctata	900
120	cattgtgggt gttctgtgct gtgggtccat ttatgtattt ccctacctcc catcttytat	960
121	tgcataccaca actgtgggtc tgtccataat ttcccttgct ttctgtcat tattacatca	1020
122	tatctgaaaa tgagaaaacca aaaacaatrg aaaggcagcca tgtctggagg tgactggggg	1080
123	gtcgagaagc cctagtttct caaacccctta gcaccaaatt ttcccttcag ttacactgag	1140
124	cgttccatt ctgcagtgtat ggaraaggga gatcccttat ttcttcctcat gagcatctct	1200
125	gtgtctgttt cccttagaga caaataaggg gttctattt atgtgaagcc tggtttatga	1260
126	acagaataaaa tgggtgtat attcagaata actaatgttt ggaagggttt ttatffffgc	1320
127	taaaaattgt tctcaaggca gctctgggtt aagagataat acaccacat gggcatcaga	1380
128	agacctcagc tcaaataccc gttctgccag ctatgagctg tgtggcacca acaggtgtcc	1440
129	tgttctccca gggctccct tttccattt gaaaaataaa aaataacaat tcctgccttc	1500
130	aggaattttt tttagggggt ttaatkgtaa aggtgtttt atctgctaag gtaattttact	1560
131	tgatatatgt ttgggttattt aagatataatg agttatgtta gctatttcattt gtttaggctg	1620
132	ctgtatTTT agtaggttat attaaatatt taaaaggatt wmmattataaa gaacaaagtc	1680
133	tcctaattttt tgatatacgca ttgacataact ttttaatata acaaggcata gaatatggcc	1740
134	atttctgtta aatcatatata tcccaactgg ttattaatct aagaatttcg aattttgagt	1800
135	aattgctttt gcatcagatt atttacttca gtcgtctcaa ttatgtatgtt gcattagaac	1860
136	catctgggtt aacatttggtt ttttattacc aatacctagg ctccaaaccaa gtacagtgaa	1920
137	actggaatgt acagagtggaa caatggaaacg aaggagaaca agaccaaagg acattttatt	1980
138	tttatctgtt tcagtggtc aaagtccttt cagaaggagc atatagtggat cctaggtgat	2040
139	tggtaattt atccatcaaa gaggcacaca ccgaatttgc atggagtgtt ataaaaggct	2100
140	tggagtgc当地 gctcatgggtt gctttaacaa gaagagaagg cttcaatggat ttctcttg	2160
141	gtccttgtc tctgtctctc atgtttgc当地 ctcccttcac tctggagaca gagctctggg	2220
142	agaggaaaac tccctctgg ccccaactctt ctcccaatgtt ttggaaatata cctacagata	2280
143	gttattaaagg acatcagcaa atccttaacc aatgtatgtt tgctcctca gtggcttgc当地	2340
144	aaaggtaagt aaattcacct gtatTTT aataaaagtgtt atcccttagag gtacatgttta	2400
145	caagaggttaa tggtaaagta aataactttt aaggcattt	2438
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148	<211> LENGTH: 20	
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150	<213> ORGANISM: Artificial Sequence	
152	<220> FEATURE:	
153	<223> OTHER INFORMATION: Primer	
155	<400> SEQUENCE: 7	
156	ccagcctgaa agtgcagaga	20
158	<210> SEQ ID NO: 8	
159	<211> LENGTH: 25	
160	<212> TYPE: DNA	
161	<213> ORGANISM: Artificial Sequence	
163	<220> FEATURE:	
164	<223> OTHER INFORMATION: Primer	
166	<400> SEQUENCE: 8	
167	tcttagagtc tttccctcacc aaactt	25
169	<210> SEQ ID NO: 9	
170	<211> LENGTH: 20	
171	<212> TYPE: DNA	
172	<213> ORGANISM: Artificial Sequence	
174	<220> FEATURE:	

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175 <223> OTHER INFORMATION: Primer
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178 catgccctgt ctctccctta 20
180 <210> SEQ ID NO: 10
181 <211> LENGTH: 19
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Primer
188 <400> SEQUENCE: 10
189 ccatccccctt catgcaatc 19
191 <210> SEQ ID NO: 11
192 <211> LENGTH: 11
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Oligonucleotide representing the coding strand
198 complementary to the polymorphic site 461
200 <400> SEQUENCE: 11
201 agcacccctgg t 11
203 <210> SEQ ID NO: 12
204 <211> LENGTH: 11
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Oligonucleotide representing the coding strand
210 complementary to the polymorphic site 461
212 <400> SEQUENCE: 12
213 agcacgcgtgg t 11
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 11
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Oligonucleotide representing the non-coding strand
222 complementary to the polymorphic site 461
224 <400> SEQUENCE: 13
225 accagggtgc t 11
227 <210> SEQ ID NO: 14
228 <211> LENGTH: 11
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Oligonucleotide representing the non-coding strand
234 complementary to the polymorphic site 461
236 <400> SEQUENCE: 14
237 accagcggtgc t 11
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240 <211> LENGTH: 11

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241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Oligonucleotide of the novel polymorphic site 461
246 on the coding strand
248 <400> SEQUENCE: 15
249 gtgtgtacag c 11
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 11
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Oligonucleotide of the novel polymorphic site 461
258 on the non-coding strand
260 <400> SEQUENCE: 16
261 gctgtacaca c 11
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 11
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Oligonucleotide of the novel polymorphic site 461
270 on the non-coding strand
272 <400> SEQUENCE: 17
273 tggccctac c 11
275 <210> SEQ ID NO: 18
276 <211> LENGTH: 11
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Oligonucleotide of the novel polymorphic site 461
282 on the coding strand
284 <400> SEQUENCE: 18
285 ggtagggacc a 11
287 <210> SEQ ID NO: 19
288 <211> LENGTH: 25
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Primer
295 <400> SEQUENCE: 19
296 cactaggaa tttagaacaatatg 25
298 <210> SEQ ID NO: 20
299 <211> LENGTH: 23
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Primer
306 <400> SEQUENCE: 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/943,115A

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